

REPORT DOCUMENTATION PAGE

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Signalized Integrated GPS Laboratory Configuration (SIGNaL)

SIGNaL enables dynamic, consistent laboratory testing of an entire configuration and all aspects of Embedded GPS Systems (EGI, GINA, Embedded Doppler, and Receiver Cards).

SSC San Diego SIGNaL Central Engineering Activity Capabilities

Dynamic laboratory testing

Dual simultaneous EGI testing

Validation and utilization for both Honeywell and Litton EGIs

Extensive software menuization, error generation, and analysis

Proposed standard SIGNaL interface

Better alternative to static laboratory or non-repeatable dynamic field testing

Particularly Useful for Laboratory

- Re-Fly Testing and Troubleshooting

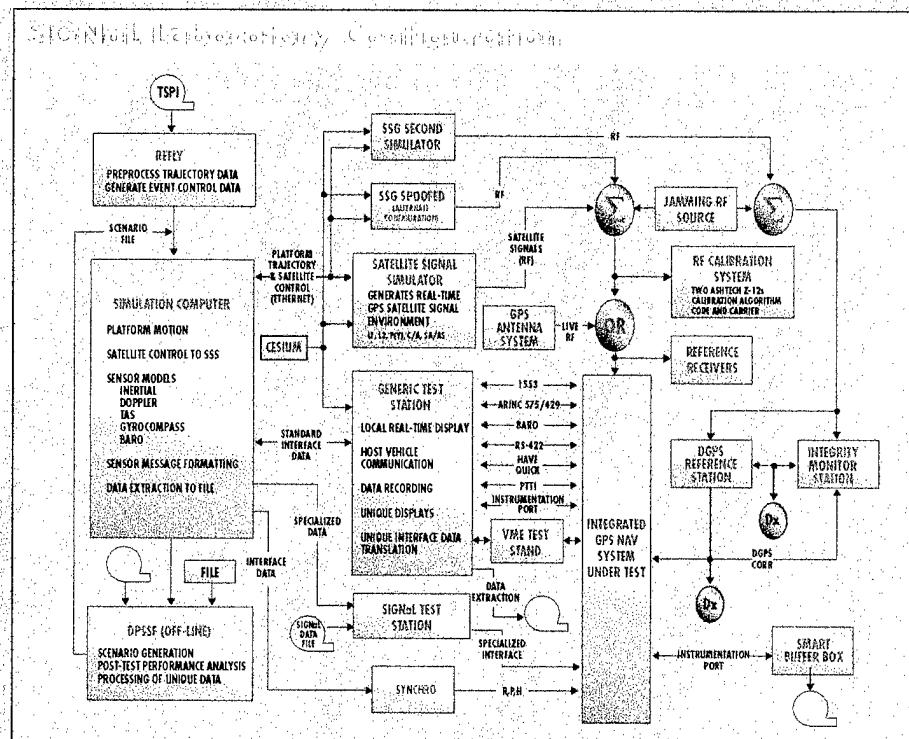
- Integrity Testing

- Vulnerability Testing

- Navigation Performance and Kalman Filter Analysis

- Dynamic Edge of Envelope Testing

- Special Integration Issue Analysis



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